

**AMENDMENTS TO THE SPECIFICATION:**

Please insert the following subtitle and paragraph before the first subtitle and paragraph on page 1, as follows:

**CROSS-REFERENCE TO THE RELATED APPLICATION**

This application is a division of Application No. 09/932,027, filed August 20, 2001, the entire content of each of which is hereby incorporated by reference in this application.

Please amend the paragraph beginning at page 2, line 2, as follows:

Liquid crystal panels do not emit light as CRTs (Cathode Ray Tubes) and EL (electroluminescence) displays. Instead, some liquid crystal panels include in the back thereof a section containing a so-called backlight, which is a fluorescent tube, and produces a display by controlling the transmission/interruption of the light emitted by the backlight. These liquid crystal displays are termed transmissive types.

Please amend the paragraph beginning at page 3, line 19, as follows:

To address the poor visibility of the transmissive liquid crystal display and the reflective liquid crystal display, ~~are being developed the~~ a liquid crystal display incorporating a transmissive reflector film and a ~~the~~ hybrid liquid crystal display that operates both as a transmission type and a reflection type are being developed. The latter, hybrid type includes a backlight and a reflector plate part of which has holes so that the reflector plate can transmit the light emitted by the backlight. The hybrid type switches between reflection and transmission mode by turning on/off the backlight, hence operating as a transmissive type when ambient light is insufficient and as a

reflective type when ambient light is sufficient. The reflector plate has undulations that scatter light when operating in reflection mode to produce a bright display.

Please amend the paragraph beginning at page 6, line 25, as follows:

As can ~~could~~ be understood from these examples, a stable cell gap is difficult to obtain with the use of the spherical spacers 103 because the cell gap is affected by the density of the spherical spacers 103. Besides, the density is difficult to control stably.

Please amend the paragraph beginning at page 11, line 22, as follows:

A principal objective of the present invention is to provide a liquid crystal display that has two or ~~ore~~ more different, stable cell gaps and still exhibits high display quality and also provide a manufacturing method of such a liquid crystal display.

Please amend the paragraph beginning at page 12, line 21, as follows:

Thus, the thickness of the liquid crystal layer is easily controllable. Further, the two substrates are subjected to uniform pressure in the combining step of the two substrates. A uniform cell gap is stably obtainable in the step because of the columnar spacers provided where the liquid crystal layer is thin and ~~it is hence~~ it is most difficult to control the cell gap.

Please amend the paragraph beginning at page 20, line 1, as follows:

The provision of the reflection section 2a serving as a reflector plate between the substrate 1 and the opposite substrate 11 prevents an overlapping, slightly displaced image from occurring because of the parallax between the liquid crystal layer 4 and the

reflection section 2a and thus enables a paper white display. A brighter liquid crystal display can therefore be ~~hence~~ provided.

Please amend the paragraph beginning at page 21, line 17, as follows:

The interlayer insulation layer 3 is made of acrylic or another resin and deposited on the substrate 1 to cover the TFT 9 and a part of the top of the transmission electrode 2b. The interlayer insulation layer 3 has contact holes 3a through ~~though~~ predetermined parts thereof. The reflection section 2a is provided on the interlayer insulation layer 3 so as to conceal part of the contact hole 3a. The reflection section 2a is electrically connected to the transmission electrode 2b in the contact hole 3a.

Please amend the paragraph beginning at page 35, line 5, as follows:

The formation of the columnar spacers 10, the transparent electrode 7, and the alignment layer 8 and the rubbing treatment of the alignment layer 8 may be performed even in another ~~other~~ order (d): the transparent electrode 7 is formed first, the alignment layer 8 is then formed and subjected to a rubbing treatment, and finally the columnar spacers 10 is formed. The formation of the columnar spacers 10 after the rubbing treatment of the alignment layer 8 stabilizes the overall alignment in the liquid crystal layer 4.

Please add the following new paragraph at page 38, line 1, after Table 1, as follows:

It can be seen ~~said~~ from Table 1, that to obtain a stable reflection cell gap  $d_a$  and transmission cell gap  $d_b$  and a highly reliable liquid crystal cell, the columnar spacers 10 preferably account for 0.05 % to 3.0 % of the cross-sectional area of the panel of the liquid crystal display taken parallel to the substrate 1 and the opposite substrate 11.

Please add the following new paragraph at page 40, line 12, as follows:

Accordingly, as shown in Figure 6, the distance L needs to be not less than 10  $\mu\text{m}$  from the edge of the 3  $\mu\text{m}$  high columnar spacer 10 and not less than 15  $\mu\text{m}$  from the edge of the 5  $\mu\text{m}$  high columnar spacer 10.

Please add the following new paragraph at page 41, line 22, as follows:

As shown in Figure 8, the opposite substrate 11 here has color filters 5 with BMs 6, columnar spacers 10, and a transparent electrode 7 on the opposite substrate 11 as in embodiment 1. Each blue filter 5B has ~~have~~ an aperture 5a, while the BM 6 under the blue filter 5B has an aperture 6a.

Please add the following new paragraph at page 42, line 20, as follows:

Photosensitive, black material is then applied to the color filter 5. Light is shone on a side of the opposite substrate 11 where no color filter 5 is provided, using the part inside the apertures 5a, 6a as a mask, to project a pattern. Self-alignment is thus achieved. Accordingly, no mask alignment processing needs to be separately performed, which facilitates manufacturing steps and makes it possible to form the columnar spacers 10 more precisely.

Please add the following new paragraph at page 47, line 15, as follows:

According to the structure, the liquid crystal layer is made of a material exhibiting vertical alignment; a manufacturing method with no rubbing treatment can be thus employed for the liquid crystal display. Alignment defects occurring in a rubbing treatment can be therefore ~~hence~~ eliminated.

Please add the following new paragraph at page 49, line 21, as follows:

The invention being thus described, it will be obvious that the same may be varied in many ways. Such variations are not to be regarded as a departure from the spirit and scope of the invention, and all such modifications as would be obvious to one skilled in the art are intended to be included within the scope of the following claims.